SEQ ID NO: 1

${\tt CAAAAACAGCAACAGAAAGCAGGACGTGAGACTTCTACCTGCTCACTCA$	60
${\tt GCACCAACCATGGCCACGTTTGTGGAGCTCAGTACCAAAGCCAAGATGCCCATTGTGGGC}$	120
$\tt CTGGGCACTTGGAAGTCTCCTCTCGGCAAAGTGAAAGAAGCAGTGAAGGTGGCCATTGAT$	180
$\tt GCAGGATATCGGCACATTGACTGTGCCTATGTCTATCAGAATGAACATGAAGTGGGGGAA$	240
$\tt GCCATCCAAGAGAAGATCCAAGAGAAGGCTGTGAAGCGGGAGGACCTGTTCATCGTCAGC$	300
${\tt AAGTTGTGGCCCACTTCCAGATCGAGAAGCTCTTGAACAAACCTGGACTGAAATATAAAC}$	360
${\tt CAGTGACTAACCAGGTTGAGTGTCACCCATACCTCACGCAGGAGAAACTGATCCAGTACT}$	420
${\tt GCCACTCCAAGGGCATCACCGTTACGGCCTACAGCCCCCTGGGCTCTCCGGATAGACCTT}$	480
$\tt GGGCCAAGCCAGAAGACCCTTCCCTGCTGGAGGATCCCAAGATTAAGGAGATTGCTGCAA$	540
${\tt AGCACAAAAAAACCGCAGCCCAGGTTCTGATCCGTTTCCATATCCAGAGGAATGTGATTG}$	600
${\tt TCATCCCCAAGTCTGTGACACCAGCACGCATTGTTGAGAACATTCAGGTCTTTGACTTTA}$	660
${\tt AATTGAGTGATGAGGAGATGGCAACCATACTCAGCTTCAACAGAAACTGGAGGGCCTGTA}$	720
${\tt ACGTGTTGCAATCCTCTCATTTGGAAGACTATCCCTTCGATGCAGAATATTGAGGTTGAA}$	780
${\tt TCTCCTGGTGAGATTATACAGGAGATTCTCTTTCTTCGCTGAAGTGTGACTACCTCCACT}$	840
${\tt CATGTCCCATTTTAGCCAAGCTTATTTAAGATCACAGTGAACTTAGTCCTGTTATAGACG}$	900
${\tt AGAATCGAGGTGCTGTTTTAGACATTTATTTCTGTATGTTCAACTAGGATCAGAATATCA}$	960
${\tt CAGAAAAGCATGGCTTGAATAAGGAAATGACAATTTTTTCCACTTATCTGATCAGAACAA}$	1020
$\tt ATGTTTATTAAGCATCAGAAACTCTGCCAACACTGAGGATGTAAAGATCAATAAAAAAAA$	1080
TAATAATCAT	1090

SEQ ID NO: 2

Met Ala Thr Phe Val Glu Leu Ser Thr Lys 10 Ala Lys Met Pro Ile Val Gly Leu Gly Thr 20 5 Trp Lys Ser Pro Leu Gly Lys Val Lys Glu 30 Ala Val Lys Val Ala Ile Asp Ala Gly Tyr 40 Arg His Ile Asp Cys Ala Tyr Val Tyr Gln 50 Asn Glu His Glu Val Gly Glu Ala Ile Gln 60 Glu Lys Ile Gln Glu Lys Ala Val Lys Arg 70 Glu Asp Leu Phe Ile Val Ser Lys Leu Trp 80 Pro Thr Ser Arg Ser Arg Ser Ser 88

15

10

20

SEC ID NO: 3

GCACCAACCATGCCACGTTTGTGGAGCTCAGTACCAAAGCCAAGATGCCCATTGTGGGC 120 CTGGGCACTTGGAAGTCTCCTCTCGGCAAAGTGAAGAAGCAGTGAAGGTGACCATTGAT 180 GCAGGATATCGCCACATTGACTGTGCCTATGTCTATCAGAATGAACATGAACATGGAGGGGAA 240 GCCATCCAAGAGAAGATCCAAGAGAAGGCTGTGAAGCGGGAGGACCTGTTCATCGTCAGC 3.0.0 A A GTTGTGGCCCA CTTTCTTTGAGAGACCCCCTTGTGAGGAAAGCCCTTTGAGAAGACCCCTC 3.6.0 AAGGACCTGAAGCTGAGCTATCTGGACGTCTATCTTATTCACTGGCCACAGGGATTCAAG 420 TCTGGGGATGACCTTTTCCCCAAAGATGATAAAGGTAATGCCATCGGTGGAAAAGCAACG 480 TTCTTGGATGCCTGGGAGGCCATGGAGGAGCTGGTGGATGAGGGGCTGGTGAAAGCCCTT 540 GGGGTCTCCAATTTCAGCCACTTCCAGATCGAGAAGCTCTTGAACAAACCTGGACTGAAA 600 TATA A ACCAGTGA CTA A CCAGGTTGA GTGTCA CCC ATA CCTCA CGCAGGAGA A ACTGATC 660 CAGTACTGCCACTCCAAGGGCATCACCGTTACGGCCTACAGCCCCCTGGGCTCTCCGGAT 720 AGACCTTGGGCCAAGCCAGAAGACCCTTCCCTGCTGGAGGATCCCAAGATTAAGGAGATT 780 GCTGCAAAGCACTCCCCAAGTCTGTGACACCAGCACGCATTGTTGAGAACATTCAGGTCT 840 TTGACTTTAAATTGAGTGATGAGGAGATGGCAACCATACTCAGCTTCAACAGAAACTGGA 900 GGGCCTGTAACGTGTTGCAATCCTCTCATTTGGAAGACTATCCCTTCGATGCAGAATATT 960 ACCTCCACTCATGTCCCATTTTAGCCAAGCTTATTTAAGATCACAGTGAACTTAGTCCTG 1080 AGAATATCACAGAAAAGCATGGCTTGAATAAGGAAATGACAATTTTTTCCACTTATCTGA 1200 TCAGAACAAATGTTTATTAAGCATCAGAAACTCTGCCAACACTGAGGATGTAAAGATCAA 1260 TAAAAAAAATAATAATCAT 1279

5

10

15

20

SEQ ID NO: 4

Met Ala Thr Phe Val Glu Leu Ser Thr Lvs 10 Ala Lys Met Pro Ile Val Gly Leu Gly Thr 20 Trp Lys Ser Pro Leu Gly Lys Val Lys Glu 30 Ala Val Lys Val Ala Ile Asp Ala Gly Tyr 40 Arg His Ile Asp Cys Ala Tyr Val Tyr Gln 50 Asn Glu His Glu Val Gly Glu Ala Ile Gln 60 Glu Lys Ile Gln Glu Lys Ala Val Lys Arg 70 10 Glu Asp Leu Phe Ile Val Ser Lys Leu Trp 80 Pro Thr Phe Phe Glu Arg Pro Leu Val Arg 90 Lys Ala Phe Glu Lys Thr Leu Lys Asp Leu 100 Lys Leu Ser Tyr Leu Asp Val Tyr Leu Ile 110 His Trp Pro Gln Gly Phe Lys Ser Gly Asp 120 15 Asp Leu Phe Pro Lys Asp Asp Lys Gly Asn 130 Ala Ile Gly Gly Lys Ala Thr Phe Leu Asp 140 Ala Trp Glu Ala Met Glu Glu Leu Val Asp 150 Glu Gly Leu Val Lys Ala Leu Gly Val Ser 160 Asn Phe Ser His Phe Gln Ile Glu Lys Leu 170 20 Leu Asn Lys Pro Gly Leu Lys Tyr Lys Pro 180 Val Thr Asn Gln Val Glu Cys His Pro Tyr 190 Leu Thr Gln Glu Lys Leu Ile Gln Tyr Cys 200 His Ser Lys Gly Ile Thr Val Thr Ala Tvr 210 Ser Pro Leu Gly Ser Pro Asp Arg Pro Trp 220 25 Ala Lys Pro Glu Asp Pro Ser Leu Leu Glu 230 Asp Pro Lys Ile Lys Glu Ile Ala Ala Lys 240 His Ser Pro Ser Leu 245